

APPENDIX C:

TIPPECANOE COUNTY RELEVANT ITS STANDARDS BY FLOW

ITS standards establish a common way in which devices connect and communicate with one another. This allows transportation agencies to implement systems that cost-effectively exchange pertinent data and accommodate equipment replacement, system upgrades, and system expansion. Standards benefit the traveling public by providing products that will function consistently and reliably throughout the area. ITS standards contribute to a safer and more efficient transportation system, facilitate regional interoperability, and promote an innovative and competitive market for transportation products and services.

The following table identifies the ITS standards that are potentially applicable to Tippecanoe County. This table was created by taking the standards information available from the National ITS Architecture v5.1 via the Turbo Architecture v3.1.8 database (which identifies standards applicable to each architecture flow).

The following Standards Development Organizations (SDO) participate in ITS standards:

- AASHTO (American Association of State Highway and Transportation Officials)
- ANSI (American National Standards Institute)
- APTA (American Public Transportation Organization)
- ASTM (American Society for Testing and Materials)
- IEEE (Institute of Electrical and Electronics Engineers)
- ITE (Institute of Transportation Engineers)
- NEMA (National Electrical Manufacturers Association)
- SAE (Society of Automotive Engineers)

It is also important to note that ITS standards have not been defined for all flows in the National ITS Architecture. The following table lists the name of the standard in the first column and the SDO and the number of the standard in the second column. Regular updates of the SDO activities will help ensure that the latest standards are utilized.

The following information provides only the standards associated with **existing and planned** flows in the Tippecanoe County Regional ITS Architecture as identified by Turbo Architecture v3.1.8 (SDOMAP v5.1.1).



Standards for Tippecanoe County Regional Architecture



NOTE: The ITS standards presented in this report may represent a superset of options, and in some cases, provide redundant capabilities. In addition, these ITS standards are at different maturity levels. Care should be taken to select the standards that best meet the needs of the region or project.

Lead SDO	Standard Name	Document ID
Flow: alarm notification		
Source: CityBus - Transit Vehicles APTA	Destination: CityBus - Operations Center and Dispatch Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: alert notification coordination		
Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA	Destination: Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA	Destination: Purdue - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: CityBus - Operations Center and Dispatch NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: Purdue - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: Small Municipality - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: West Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: CityBus - Operations Center and Dispatch NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: Small Municipality - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Purdue - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> alert status		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> alerts and advisories		
<i>Source:</i> Weather Services	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Weather Services	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> archive analysis requests		
<i>Source:</i> APC of Tippecanoe County	<i>Destination:</i> State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> archive analysis results		
<i>Source:</i> State Police - Crash Reports Database	<i>Destination:</i> APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> archive request confirmation		
<i>Source:</i> State Police - Crash Reports Database	<i>Destination:</i> APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> archive requests		
<i>Source:</i> APC of Tippecanoe County	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> INDOT - Data Services	<i>Destination:</i> INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - Data Services	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> Lafayette - Engineering and MCO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> Purdue - Facilities and Grounds	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> Tippecanoe Co - Highway Dept and MCO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> Weather Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> West Lafayette - Street Department (Engr and MCO)	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: archive status

<i>Source:</i> APC of Tippecanoe County	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - Data Services	<i>Destination:</i> INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - Data Services	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - CATS/Civil Engineering	<i>Destination:</i> Lafayette - Engineering and MCO	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: Lafayette - Engineering and MCO NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: Purdue - Facilities and Grounds NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: Tippecanoe Co - Highway Dept and MCO NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: Weather Services NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering AASHTO/ITE/NEMA	Destination: West Lafayette - Street Department (Engr and MCO) NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database AASHTO/ITE/NEMA	Destination: Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database AASHTO/ITE/NEMA	Destination: Purdue - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database AASHTO/ITE/NEMA	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database AASHTO/ITE/NEMA	Destination: West Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: archived data product requests		
Source: APC of Tippecanoe County AASHTO/ITE/NEMA	Destination: State Police - Crash Reports Database NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: archived data products		
Source: State Police - Crash Reports Database AASHTO/ITE/NEMA	Destination: APC of Tippecanoe County NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: broadcast traveler information		
Source: CityBus - Operations Center and Dispatch SAE	Destination: Lafayette - Public Safety and Emergency Management Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch SAE	Destination: Purdue - Public Safety and Emergency Management Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: INDOT - 511 Traveler Information SAE	Destination: INDOT - Roadside Equipment Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
Source: INDOT - 511 Traveler Information SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: INDOT - TMC and TO	Destination: INDOT - Roadside Equipment	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> INDOT - TMC and TO <i>Destination:</i> INDOT - Roadside Equipment		
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: care facility status		
<i>Source:</i> Regional Hospitals <i>Destination:</i> Purdue - Public Safety and Emergency Management		
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Regional Hospitals <i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: care facility status request		
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> Regional Hospitals		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Regional Hospitals		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: data collection and monitoring control		
<i>Source:</i> INDOT - Data Services <i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Purdue - CATS/Civil Engineering <i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: emergency archive data		
<i>Source:</i> Lafayette - Public Safety and Emergency Management <i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Small Municipality - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Crash Reports Database		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
<i>Flow:</i> emergency routes		
<i>Source:</i> INDOT - TMC and TO		
<i>Destination:</i> Small Municipality - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> emergency transit schedule information		
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> evacuation coordination		
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> CityBus - Operations Center and Dispatch		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management		
<i>Destination:</i> CityBus - Operations Center and Dispatch		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management		
<i>Destination:</i> Lafayette - Public Safety and Emergency Management		

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: evacuation information		
Source: Lafayette - Public Safety and Emergency Management	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: fare and price information		
Source: CityBus - Operations Center and Dispatch	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: fare management information		
Source: CityBus - Operations Center and Dispatch	Destination: CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: field equipment status		
Source: INDOT - TMC and TO	Destination: West Lafayette - Street Department (Engr and MCO)	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: hri operational status		
Source: INDOT - Roadside Equipment	Destination: Rail - Wayside Equipment	
IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Flow: incident command information coordination		
Source: Lafayette - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: incident information		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> INDOT - TMC and TO	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> State Police - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management <i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management <i>Destination:</i> State Police - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management <i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management <i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: incident report

<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: incident response coordination

<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: Small Municipality - Public Safety and Emergency Management	
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	Destination: State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: incident response status		
Source: State Police - Public Safety and Emergency Management	Destination: INDOT - TMC and TO	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Flow: interactive traveler information		
Source: CityBus - Operations Center and Dispatch	Destination: Lafayette - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	Destination: Purdue - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: ISP coordination		
Source: INDOT - TMC and TO	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: logged vehicle routes		
Source: CityBus - Operations Center and Dispatch	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: maint and constr archive data		
Source: INDOT - TMC and TO	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: INDOT - TMC and TO	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: INDOT - TMC and TO	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Lafayette - Engineering and MCO	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Lafayette - Engineering and MCO	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Lafayette - Engineering and MCO	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Purdue - Facilities and Grounds	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Purdue - Facilities and Grounds	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Purdue - Facilities and Grounds	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - Highway Dept and MCO	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - Highway Dept and MCO	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - Highway Dept and MCO	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - Street Department (Engr and MCO)	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - Street Department (Engr and MCO)	Destination: INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - Street Department (Engr and MCO)	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Flow: maint and constr resource coordination		
Source: INDOT - TMC and TO	Destination: West Lafayette - Street Department (Engr and MCO)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: West Lafayette - Street Department (Engr and MCO)	Destination: INDOT - TMC and TO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: maint and constr resource response		
Source: INDOT - TMC and TO	Destination: West Lafayette - Street Department (Engr and MCO)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: maint and constr work plans		
Source: INDOT - TMC and TO	Destination: INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: map updates		
Source: Tippecanoe Co - GIS	Destination: APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	Destination: CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Lafayette - Engineering and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	Destination: Purdue - Facilities and Grounds	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Tippecanoe Co - Highway Dept and MCO	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	Destination: West Lafayette - Street Department (Engr and MCO)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: personal transit information		
Source: CityBus - Operations Center and Dispatch	Destination: User Personal Computing Devices	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: request for vehicle measures		

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch APTA	Destination: CityBus - Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: request transit information		
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: CityBus - Operations Center and Dispatch NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: resource coordination		
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: Small Municipality - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: Small Municipality - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: State Police - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: Small Municipality - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: Small Municipality - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Flow: resource request		
Source: INDOT - TMC and TO AASHTO/ITE/NEMA IEEE	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: INDOT - TMC and TO AASHTO/ITE/NEMA IEEE	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Source: State Police - Public Safety and Emergency Management AASHTO/ITE/NEMA IEEE	Destination: INDOT - TMC and TO NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Footnote) (See Footnote)
Flow: road network conditions		
Source: INDOT - TMC and TO	Destination: INDOT - 511 Traveler Information	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> INDOT - TMC and TO <i>Destination:</i> INDOT - 511 Traveler Information		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management <i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Small Municipality - Public Safety and Emergency Management		
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> road network traffic probe data		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> roadside archive data		
<i>Source:</i> INDOT - Roadside Equipment <i>Destination:</i> INDOT - Data Services		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> INDOT - Roadside Equipment <i>Destination:</i> Purdue - CATS/Civil Engineering		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Flow:</i> roadway equipment coordination		
<i>Source:</i> INDOT - Roadside Equipment <i>Destination:</i> West Lafayette - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> West Lafayette - Roadside Equipment <i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
<i>Flow:</i> roadway information system data		
<i>Source:</i> INDOT - TMC and TO <i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Flow:</i> roadway information system status		
<i>Source:</i> INDOT - Roadside Equipment <i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Flow:</i> secure area surveillance control		
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Flow:</i> secure area surveillance data		
<i>Source:</i> Lafayette - Public Safety and Emergency Management <i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Flow:</i> signal control data		
<i>Source:</i> INDOT - TMC and TO <i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
<i>Source:</i> West Lafayette - Street Department (Engr and MCO) <i>Destination:</i> West Lafayette - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> West Lafayette - Street Department (Engr and MCO)		
<i>Destination:</i> West Lafayette - Roadside Equipment		
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
Flow: signal control status		
<i>Source:</i> INDOT - Roadside Equipment		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
<i>Source:</i> West Lafayette - Roadside Equipment		
<i>Destination:</i> West Lafayette - Street Department (Engr and MCO)		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
Flow: speed monitoring control		
<i>Source:</i> INDOT - TMC and TO		
<i>Destination:</i> INDOT - Roadside Equipment		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: speed monitoring information		
<i>Source:</i> INDOT - Roadside Equipment		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: threat information		
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: threat information coordination		
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> State Police - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management	<i>Destination:</i> West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: track status

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: Rail - Wayside Equipment IEEE	Destination: INDOT - Roadside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
Flow: traffic archive data		
Source: INDOT - TMC and TO AASHTO/ITE	Destination: INDOT - Data Services Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM	Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM WK7604
Source: INDOT - TMC and TO AASHTO/ITE	Destination: Purdue - CATS/Civil Engineering Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM	Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM WK7604
Flow: traffic control priority request		
Source: CityBus - Operations Center and Dispatch AASHTO/ITE/NEMA	Destination: Lafayette - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: traffic control priority status		
Source: Lafayette - Public Safety and Emergency Management AASHTO/ITE/NEMA	Destination: CityBus - Operations Center and Dispatch NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: traffic flow		
Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	Destination: INDOT - TMC and TO NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Flow: traffic images		
Source: INDOT - Roadside Equipment AASHTO/ITE/NEMA	Destination: INDOT - TMC and TO NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> traffic sensor control		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Flow:</i> transit archive data		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Flow:</i> transit demand management request		
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> transit demand management response		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> transit fare and passenger status		
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Flow:</i> transit fare information		

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Purdue - Public Safety and Emergency Management		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: transit information user request		
<i>Source:</i> Lafayette - Public Safety and Emergency Management <i>Destination:</i> CityBus - Operations Center and Dispatch		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management <i>Destination:</i> CityBus - Operations Center and Dispatch		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> User Personal Computing Devices <i>Destination:</i> CityBus - Operations Center and Dispatch		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: transit probe data		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: transit schedule information		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> CityBus - Transit Vehicles		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
Flow: transit system data		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: transit system status assessment		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: transit traveler information		
<i>Source:</i> CityBus - Operations Center and Dispatch <i>Destination:</i> CityBus - Transit Information Displays		
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Flow:</i> transit vehicle conditions		
<i>Source:</i> CityBus - Transit Vehicles	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle loading data		
<i>Source:</i> CityBus - Transit Vehicles	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle location data		
<i>Source:</i> CityBus - Transit Vehicles	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle operator authentication information		
<i>Source:</i> CityBus - Transit Vehicles	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle operator authentication update		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle operator information		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transit vehicle schedule performance		
<i>Source:</i> CityBus - Transit Vehicles	<i>Destination:</i> CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
<i>Flow:</i> transportation information for operations		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: transportation system status		
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch		
<i>Destination:</i> Purdue - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> CityBus - Operations Center and Dispatch		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> Tippecanoe Co - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management		
<i>Destination:</i> CityBus - Operations Center and Dispatch		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Small Municipality - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> State Police - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> Tippecanoe Co - Public Safety and Emergency Management		
<i>Destination:</i> Lafayette - Public Safety and Emergency Management		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Source:</i> West Lafayette - Public Safety and Emergency Management		
<i>Destination:</i> INDOT - TMC and TO		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: traveler archive data		
<i>Source:</i> INDOT - 511 Traveler Information		
<i>Destination:</i> INDOT - Data Services		
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: traveler request		

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: trip confirmation		
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: trip plan		
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Lafayette - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> CityBus - Operations Center and Dispatch	<i>Destination:</i> Purdue - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: trip request		
<i>Source:</i> Lafayette - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Source:</i> Purdue - Public Safety and Emergency Management	<i>Destination:</i> CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Flow: video surveillance control		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
Flow: voice-based alert notification		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: voice-based traveler information		
<i>Source:</i> INDOT - TMC and TO	<i>Destination:</i> INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Flow: voice-based traveler request		
<i>Source:</i> INDOT - 511 Traveler Information	<i>Destination:</i> INDOT - TMC and TO	

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
Source: INDOT - 511 Traveler Information AASHTO/ITE/NEMA	Destination: INDOT - TMC and TO NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> weather information		
Source: Weather Services AASHTO/ITE/NEMA	Destination: INDOT - 511 Traveler Information NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services AASHTO/ITE/NEMA	Destination: INDOT - TMC and TO NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services AASHTO/ITE/NEMA	Destination: State Police - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services AASHTO/ITE/NEMA	Destination: Tippecanoe Co - Public Safety and Emergency Management NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> work zone information		
Source: INDOT - TMC and TO AASHTO/ITE/NEMA	Destination: INDOT - 511 Traveler Information NTCIP Center-to-Center Standards Group	(See Footnote)
<i>Flow:</i> yellow pages information		
Source: CityBus - Operations Center and Dispatch SAE	Destination: Lafayette - Public Safety and Emergency Management Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch SAE	Destination: Purdue - Public Safety and Emergency Management Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
<i>Flow:</i> yellow pages request		
Source: Lafayette - Public Safety and Emergency Management SAE	Destination: CityBus - Operations Center and Dispatch Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management SAE	Destination: CityBus - Operations Center and Dispatch Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
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Footnotes:

Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group		
SDO	Standard Name	Document ID
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Standard for ATIS Message Sets Delivered Over Reduced Bandwidth Media	SAE J2369
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2
SAE	National Names Phrase List	SAE J2540/3

Advanced Traveler Information Systems (ATIS) General Use Standards Group		
SDO	Standard Name	Document ID
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2
SAE	National Names Phrase List	SAE J2540/3

Incident Management Standards Group		
SDO	Standard Name	Document ID
IEEE	Standard for Common Incident Management Message Sets for use by Emergency Management Centers	IEEE 1512 -2006
IEEE	Standard for Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.1-2006
IEEE	Standard for Public Safety Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.2-2004
IEEE	Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.3-2006
IEEE	Standard for Common Traffic Incident Management Message Sets for Use in Entities External to Centers	IEEE P1512.4

NTCIP Center-to-Center Standards Group		
SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102
AASHTO/ITE/NEMA	Center-to-Center Naming Convention Specification	NTCIP 1104
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	File Transfer Protocol (FTP) Application Profile	NTCIP 2303

Standards for Tippecanoe County Regional Architecture

Lead SDO	Standard Name	Document ID
NTCIP Center-to-Center Standards Group		
SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Application Profile for DATEX-ASN (AP-DATEX)	NTCIP 2304
AASHTO/ITE/NEMA	Application Profile for XML Message Encoding and Transport in ITS Center-to-Center Communications (C2C XML)	NTCIP 2306
NTCIP Center-to-Field Standards Group		
SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102
AASHTO/ITE/NEMA	Transportation Management Protocols (TMP)	NTCIP 1103
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using RS-232 Subnetwork Profile	NTCIP 2101
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using FSK Modem Subnetwork Profile	NTCIP 2102
AASHTO/ITE/NEMA	Point-to-Point Protocol Over RS-232 Subnetwork Profile	NTCIP 2103
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104
AASHTO/ITE/NEMA	Transportation Transport Profile	NTCIP 2201
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	Simple Transportation Management Framework (STMF) Application Profile	NTCIP 2301
AASHTO/ITE/NEMA	Trivial File Transfer Protocol (TFTP) Application Profile	NTCIP 2302
AASHTO/ITE/NEMA	File Transfer Protocol (FTP) Application Profile	NTCIP 2303